

Let's Work Together

(C'mon c'mon, work together)

PANTEX
Y12
ORNL
SLAC
LANL
DOE
idea
team work
strategy
KCP
create
lead
motivate
solution
NREL
LBNL
SRNL
creativity
mentor
success
INL
support
PPPL
inspire
develop
vision
SRS
SNL
AMES
LLNL
learn
FERMI
ANL
BNL
JLAB
ORAU
NETL

partnership



IT Transformation

Partnerships at the DOE National
Laboratories and Plants



Transformation
through Partnerships

Jill Deem, CIO, NREL
Tom Schlagel, CIO, BNL
Tom Harper, CIO, LANL

National Laboratory CIO Members and Participants



Jerry Johnson
(PNNL)



Michael Locatis
DOE, Chief Information Officer
(Ames)



Robert Brese
DOE, Deputy Chief
Information Officer



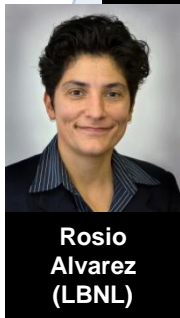
Steve Baumgartner
(PPPL)



Roy Whitney
(Jlab)



George Dailey
(Y12)



Rosio Alvarez
(LBNL)



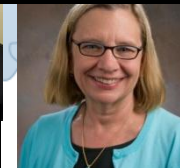
Richard Robinson
(LLNL)



Gil Vega
DOE, Associate CIO for
Cyber Security and Chief
Information Security
Officer



Robert Osborn
NNSA, Associate
Administrator for
Information Management &
CIO



Mary Harris
(SRNL)



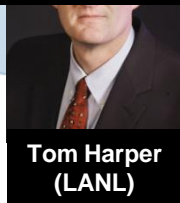
Valerie Perez
(SRS)



Randy Melen
(Acting)
(SLAC)



Bob Hillier
(NNSS)



Tom Harper
(LANL)



Michael Vahle
(SNL)



National Security
Science
Energy

A Brief History of the NLCIO

- NLCIO began as the Systems of Labs' Computing Coordinating Committee (SLCCC) in December, 1996
- To advise laboratory directors and to provide an interface to DOE organizations on issues in computing and information processing.
- Function as a forum for information exchange, consensus building, and coordination of the major activities in scientific computing and information processing.

A Brief History of the NLCIO

- SLCCC became NLCIO in May, 2008
- Advises the U.S. Department of Energy (DOE) National Laboratory Directors Council and provides an interface to DOE organizations on issues in Information Technology (IT) and cyber security.
- Functions as a forum for information exchange, consensus building, and coordination of major activities in IT and cyber security.

National Laboratory Councils



- Secretary Chu created the Cyber Security Governance Council (CSGC), later to become IMGCC.
- Announced by Deputy Secretary Poneman in December, 2009.
- Formed to reflect the shared responsibility for cyber security, and information management, among the Under Secretaries, the DOE Chief Information Officer, and the National Laboratories/Plants.
- IMGCC-AG (Advisory Group) is represented by four CIOs from Labs/Plants.
- IMGCC-WG (Working Group).

NLCIO Executive Committee



Tom Harper, LANL
Chair



Steve Baumgartner, PPPL
Chair Elect



Tom Schlagel, BNL
Past Chair



Jill Deem, NREL
Executive Member



Jerry Johnson, PNNL
Executive Member



Becky Verastegui,
ORNL
Secretary

- NLCIO is a mature organization with monthly teleconferences and quarterly meetings.
- Began as information sharing, has progressed to strategic planning and joint initiatives.
- NLCIO relationship with DOE OCIO has matured with the current administration to one of collaboration and partnership.

*We are peers, working together and with Headquarters,
to leverage best-in-Complex solutions, share lessons learned,
find efficiencies,
and respond to mission needs.*

- Cyber Security
- Virtualization and Sustainability
- Path to the Cloud
- Mobility
- Collaboration

■ Policy

- Worked closely with DOE OCIO on the development of O205.1B
- Shift from compliance to risk-based cyber security programs
- Risk-based programs presented at DOE Risk Management Summit

■ Sharing Best Practices

- Contractor Assurance System

- Con

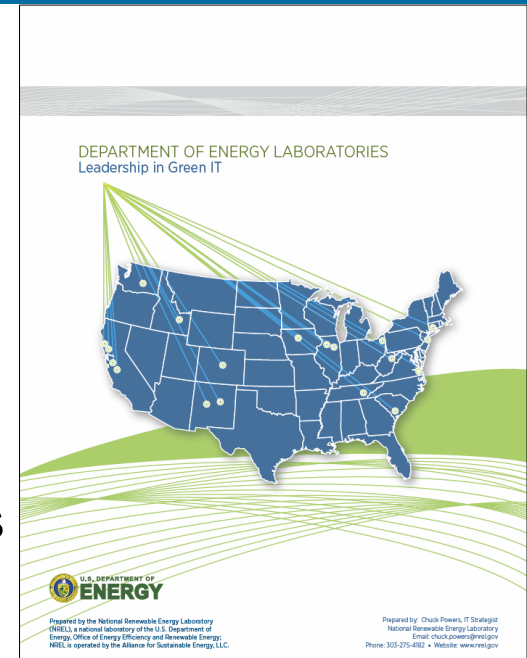
■ Incident

- Mut
- Nat
- Lab
- Eve

Cybersecurity Incident Response: Lessons
Learned Eventide

Panel Discussion, Wednesday, 4:40-6:00 pm,
Dallas Ballroom E

- Sustainability
 - Leadership in Green IT
- Virtualization
 - Servers moving from individual physical servers to virtual servers hosting multiple physical machines for agility, reliability, and power savings
 - Virtual Desktop Infrastructure in production or being explored across all sites
 - A natural next step for virtualized systems is to liberate them from your data center...



- DOE's Right Path (with NNSA YOURcloud, YourVOICE, and services), built on LANL's Infrastructure on Demand (IoD), with the scale and commercial pricing of the data center to create a virtual workspace and services model.
- Commercial Clouds (some examples)
 - Google for Government (LBNL, PPPL, and INL)
 - Service Now – IT Service Management in the cloud



- The explosive growth of smart phones and mobile devices in the consumer market presents a risk to the labs, but also a significant opportunity
- The challenge to the labs is to take advantage of our workers desire to access the enterprise from their mobile devices, while making sure that information is appropriately protected



- Many sites moving to Voice over IP replacing their legacy telephone switches, making voice services just another app on the network
- The converged voice and data platform opens up new collaboration opportunities, combining voice, video, email, chat, and web tools
- The challenge for the labs is to make this new platform seamlessly interoperate between sites, so that collaboration is as easy between sites is as easy as it is within a site

- Great work is underway, but a lot of unmet challenges
- All of you IMC participants have great opportunities to collaborate and participate
- Be part of the team – Be part of the solution

Questions?

ORNL Y12 SLAC LANL KCP
team work DOE idea strategy
create lead motivate solution LBNL
SRNL NREL creativity mentor INL support PNNL
success develop SRS SNL
PPPL inspire vision partnership SRS SNL
AMES LLNL learn FERMILAB
ANL JLAB ORAU NETL
PANTEX

